

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PCT204-0036	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/KR2004/000559	International filing date (<i>day/month/year</i>) 16 MARCH 2004 (16.03.2004)	(Earliest) Priority Date (<i>day/month/year</i>) 17 MARCH 2003 (17.03.2003)
Applicant PHICOM CORPORATION et al		

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box No. II)

3. ☐ **Unity of invention is lacking** (See Box No. III)

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the drawings to be published with the abstract is Figure No. 7b

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

b. ☐ none of the figure is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

 International application No.
 PCT/KR2004/000559
A. CLASSIFICATION OF SUBJECT MATTER**IPC7 H01L 21/66**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G01B 31/02, H05K 13/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

KIPONET, ESPACENET "probe contactor, spring, lithography"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 01/26166 A1 (Theodore A. Khoury, et al.) 04 October 2001 see abstract and Figs 5-14 see the whole document	1-3,8 9-14
Y	KR 99-46171 A (INTERNATIONAL TECHNOLOGY CO., LTD.) 05 July 1999 see claim 1 and Figs 2-5	1-3,9-14
Y	JP01-091537 A (KIMOTO GUNSEI) 04 April 2001 see abstract and Figs 1-3	1-3

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

06 JULY 2004 (06.07.2004)

Date of mailing of the international search report

06 JULY 2004 (06.07.2004)

Name and mailing address of the ISA/KR


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 920 Dunsan-dong, Seo-gu, Daejeon 302-701,
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/000559

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US20010026166A1	04.10.2001	DE19926701A1 JP2000074941A KR2000006268A TW440696B US6452407B2	23.12.1999 14.03.2000 25.01.2000 16.06.2001 17.09.2002
KR99-46171A	05.07.1999	none	
JP01-091537A	06.04.2001	US6443784B1 TW552419B EP1087467A2 EP1087467A3 KR20010039912A	03.09.2002 11.09.2003 28.03.2001 15.01.2003 15.05.2001